

[0141] FIG. 28 depicts an example process for inductively charging a battery of an electronic device. Specifically, FIG. 28 is a flowchart depicting one example process 700 for inductively charging at least one electronic device using an external electronic device.

[0142] In operation 702, an inductive coil of a first electronic device may be positioned adjacent to an inductive coil of a second electronic device. The positioning may further include positioning the first electronic device directly on the second electronic device, and aligning the inductive coil of the first electronic device with the inductive coil of the second electronic device. The inductive coils may be aligned when the inductive coils are in electrical communication with one another. The positioning of the inductive coil of the first electronic device adjacent the inductive coil of the second electronic device may also include coupling a group of alignment magnets positioned within both the first electronic device and the second electronic device.

[0143] In operation 704, the inductive coil of the first electronic device may be configured.

[0144] The configuring of the inductive coil of the first electronic device may include selecting the operational mode of the inductive coil using a controller coupled to the inductive coil. The operational mode of the inductive coil of the first electronic device may include a power receiving operational mode for wirelessly receiving power, which may be used to increase a charge of a battery of the first electronic device. The operational mode may also include a power transmitting operational mode for wirelessly receiving power, which may decrease the charge of the battery and/or draw power from an external power source, such as a wall outlet.

[0145] In operation 706, the inductive coil of the second electronic device may be configured. The configuring of the inductive coil of the second electronic device may include selecting the operational mode of the inductive coil using a controller coupled to the inductive coil. The operational mode of the inductive coil of the second electronic device may include a power receiving operational mode for wirelessly receiving power, which may be used to increase a charge of a battery of the first electronic device. The operational mode may also include a power transmitting operational mode for wirelessly receiving power, which may decrease the charge of the battery and/or draw power from an external power source, such as a wall outlet.

[0146] In operation 708, power may be wirelessly transmitted between the first electronic device and the second electronic device. More specifically, power may be transmitted from the inductive coil of the first electronic device to the inductive coil of the second electronic device, or from the inductive coil of the second electronic device to the inductive coil of the first electronic device. The transmission of power may be dependent on the operational mode of the inductive coil of the first electronic device and the second electronic device where the operational modes are distinct or different. As such, the transmitting of the power from the inductive coil of the first electronic device to the inductive coil of the second electronic device may further include determining if the inductive coil of the first electronic device is configured in a power transmitting operational mode, and determining if the inductive coil of the second electronic device is configured in a power receiving operational mode. Conversely, the transmitting of the power from the inductive coil of the second electronic device to the inductive coil of

the first electronic device may further include determining if the inductive coil of the second electronic device is configured in a power transmitting operational mode, and determining if the inductive coil of the first electronic device is configured in a power receiving operational mode.

[0147] The foregoing description, for purposes of explanation, used specific nomenclature to provide a thorough understanding of the described embodiments. However, it will be apparent to one skilled in the art that the specific details are not required in order to practice the described embodiments. Thus, the foregoing descriptions of the specific embodiments described herein are presented for purposes of illustration and description. They are not intended to be exhaustive or to limit the embodiments to the precise forms disclosed. It will be apparent to one of ordinary skill in the art that many modifications and variations are possible in view of the above teachings.

What is claimed is:

1. A portable electronic device comprising:

an enclosure having a back surface and defining an opening opposite from the back surface;

a display positioned within the opening of the enclosure;

a first inductive coil and a second inductive coil positioned separate from the first inductive coil, both the first inductive coil and the second inductive coil being positioned within the enclosure and between the display and the back surface of the enclosure, and operable to wirelessly transmit power to, or receive power from, an external device positioned proximate to the enclosure; and

a first alignment component positioned adjacent to the first inductive coil and a second alignment component positioned adjacent to the second inductive coil, the first alignment component is arranged in a first configuration, and the second alignment component is arranged in a second configuration different from the first configuration.

2. The portable electronic device of claim 1, wherein the first alignment component aligns the external device in a first orientation and the second alignment component aligns the external device in a second orientation different from the first orientation.

3. The portable electronic device of claim 1, wherein the first alignment component is a pair of alignment magnets positioned on opposite sides of the first inductive coil, and the second alignment component is a pair of alignment magnets positioned on opposite sides of the second inductive coil.

4. The portable electronic device of claim 3, wherein the first pair of alignment magnets is positioned along a first axis of the first inductive coil, and the second pair of alignment magnets is positioned along a second axis of the second inductive coil perpendicular to the first axis.

5. The portable electronic device of claim 1, further comprising a battery disposed within the enclosure and configured to provide electrical power to the display.

6. The portable electronic device of claim 5, wherein the inductive coil is operatively coupled to the battery and is configured to wirelessly transmit power from the battery to the external device.

7. The portable electronic device of claim 5, further comprising: